

REMARKS

This is in response to the Office Action of May 11, 2006. Please amend the application in connection with the present request for continued examination as setforth above. Claims 18, 21-23, 30, 36 and 39-41 are amended, claims 1-17, 19, 24-26, 28, 35, 37, and 43 are cancelled; and claims 18, 20-23, 27, 29-34, 36, 38-42, and 44-49 are pending and presented for consideration and favorable action.

In the Office Action, the claims were rejected under 35 U.S.C. § 103 based upon Rhein (U.S. Patent No. 5,811,979) in view of Bertness (U.S. Patent No. 6,331,762). With this response, the claims have been amended to further clarify the distinctions between the present invention and the cited references.

The independent claims have been amended to specifically set forth the six connections which are used to couple to the electrical system of the vehicle, as well as the application of the forcing function and the resultant parameter measurements which are made. Further, the independent claims set forth which of the measured parameters in response to the applied forcing function are used to determine the resistances of the first and second cables. It is submitted that the cited references do not suggest the claimed configurations.

Additionally, the dependent claims contain numerous features which are not shown or suggested in the context of measuring cable resistance. These include using a passive forcing function, a time varying forcing function, dynamic parameter measurements, CCA measurements, etc. For these additional reasons, the dependent claims are allowable over the cited references.

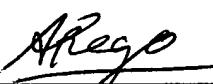
In view of the above amendments and remarks, it is believed that the present application is in condition for allowance. Favorable action is respectfully requested.

The Director is authorized to charge any fee deficiency required by this paper or credit any overpayment to Deposit Account No. 23-1123.

Respectfully submitted,

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